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NOTICE OF ALLOWANCE AND FEE(S) DUE

27488 7590 07/21/2008

MERCHANT & GOULD (MICROSOFT)
P.O. BOX 2903
MINNEAPOLIS, MN 55402-0903

EXAMINER

NASH, LASHANYA RENEE

ART UNIT

PAPER NUMBER

2153

DATE MAILED: 07/21/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/788,329

02/16/2001

David L. Anson

50037.16US01

6113

TITLE OF INVENTION: METHOD AND SYSTEM FOR ROUTING SMS MESSAGES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	10/21/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

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27488 7590 07/21/2008

**MERCHANT & GOULD (MICROSOFT)
P.O. BOX 2903
MINNEAPOLIS, MN 55402-0903**

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE-FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/788,329 02/16/2001 David L. Anson 50037.16/US01 6113

TITLE OF INVENTION: METHOD AND SYSTEM FOR ROUTING SMS MESSAGES

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nonprovisional	NO	\$1440	\$300	\$0	\$1740	10/21/2008

EXAMINER	ART UNIT	CLASS-SUBCLASS
NASH, LASHANYA RENEE	2153	709-240000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/147; Rev 03-02 or more recent) attached. Use of a **Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 _____
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 _____
- 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY AND STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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09/788,329	02/16/2001	David L. Anson	50037.16US01	6113
27488	7590	07/21/2008	EXAMINER	
MERCHANT & GOULD (MICROSOFT) P.O. BOX 2903 MINNEAPOLIS, MN 55402-0903			NASH, LASHANYA RENEE	
			ART UNIT	PAPER NUMBER
			2153	

DATE MAILED: 07/21/2008

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 730 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 730 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability**Application No.**

09/788,329

Examiner

LASHANYA R. NASH

Applicant(s)

ANSON ET AL.

Art Unit

2153

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERIT IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to a request for continued examination filed 6 June 2008.
2. ☒ The allowed claim(s) is/are 1-20.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

DETAILED ACTION

This notice of allowance is responsive to the request for continued examination filed 6 June 2008. Claims 1-20 are allowed.

Allowable Subject Matter

Claims 1-20 are allowed. Pursuant to 37 CFR 1.109 and MPEP 1302.14, the following is an Examiner's Statement of Reasons Allowance. Any comments considered necessary by Applicant must be submitted no later than the payment of the issue fee, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statements of Reasons for Allowance".

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Examiner's Amendment

Authorization for this examiner's amendment was given in a telephone interview with Kent Stier (50, 640) on 7 July 2008.

Amendments to the Specification

Replacement of the section of page 4, lines 16-19, paragraph 2.

Computer storage media may include volatile and non-volatile, removable and non-removable media implemented in any method or technology for storage of information, such as computer readable instructions, data structures, program modules or other data.

Amendments to the Claims

7. A computer storage media having computer executable instructions for routing messages, received by a mobile device, to an application of the mobile device, comprising:

accessing a registry of the mobile device, wherein the registry includes data that indicates a priority of each of a plurality of prioritized providers with respect to one another; providing a plurality of prioritized providers on the mobile device in accordance with the priority indicated by the registry of the mobile device, wherein each provider is associated with a message type;

receiving a message, on the mobile device, having a message type indicated by a character sequence in the message;

routing the message to a first prioritized provider on the mobile device from a list of prioritized providers on the mobile device;

associating the message with the first prioritized provider when the first prioritized provider recognizes the character sequence, wherein an application of the mobile device and associated with the first prioritized provider is informed that the message is

waiting without the application sending a query to receive an indication that the message is waiting;

formatting the message to the requirements of an application associated with the first prioritized provider, wherein formatting the message to the requirements of the application comprises removing the character sequence indicating the message type;

routing the message to a second prioritized provider when the first prioritized provider does not recognize the character sequence; and

associating the message with a default provider associated with a lowest priority when at least one of the plurality of higher prioritized providers does not recognize the message type.

8. The computer storage media of Claim 7, wherein

associating the message with the first prioritized provider further includes further comprising:

waiting for the application to request the message; and

delivering the message to the application.

9. The computer storage media of Claim 8,

wherein formatting the message to the requirements of the application further comprises:

providing access to the message to the first prioritized provider associated with the requesting application; and

Art Unit: 2153

the first prioritized provider associated with the requesting application formatting the message to the requirements of the application.

10. The computer storage media of Claim 8, wherein associating the message with a provider, further comprises: prioritizing the list of providers based on a priority level; and providing access to the message to each of the prioritized providers in order of priority until the message has been associated.

11. The computer storage media of Claim 10, wherein each of the set of providers has a unique priority level.

12. The computer storage media of Claim 11, wherein providing access to the message to each of the prioritized providers in order of priority until the message has been associated, further comprises: receiving a response from the highest level prioritized provider indicating if the prioritized provider is associated with the message; and associating the message with the highest level prioritized provider if the received response indicates that the prioritized provider is associated with the message.

13. The computer storage media of Claim 12, wherein associating the message with the prioritized provider if the received response

Art Unit: 2153

indicates that the prioritized provider is associated with the message, further comprises storing the message in a location associated with the prioritized provider.

14. A system for routing messages received by a mobile device to an application of the mobile device, comprising:

- a processor and a computer storage media;
- computer readable instructions stored on the computer storage media and executing on the processor;
- a communication connection device operating under the control of computer readable instructions; and
- a routing device operating under the control of the computer readable instructions and operative to perform actions, including:
 - accessing a registry of the mobile device, wherein the registry includes data that indicates a priority of each of a plurality of prioritized providers with respect to one another;
 - providing priority to the plurality of prioritized providers in accordance with the priority indicated by the registry of the mobile device, wherein each provider is associated with a message type;
 - recognizing a character sequence indicating the message type;
 - receiving a message on the mobile device having a provider indicator;
 - routing the message until at least one provider on the mobile device recognizes the provider indicator, wherein the message is routed according to a priority level of the

provider, wherein the provider having the first highest level of priority receives the message first, and wherein the message is routed to a provider having a second highest level of priority when the provider having the first highest level of priority does not recognize the provider indicator;

associating the message with at least one provider when the at least one provider recognizes the provider indicator;

associating the message with a default provider associated with a lowest priority when at least one of the plurality of higher prioritized providers does not recognize the message type;

formatting the message to the requirements of an application associated with the at least one provider, wherein formatting the message to the requirements of the application comprises removing the character sequence indicating the message type;

delivering the message to an the application of the mobile device and associated with the at least one provider when the at least one provider recognizes the provider indicator, wherein the application is informed that the message is waiting without the application sending a query to receive an indication that the message is waiting.

Reasons for Allowance

Claims 1, 7 and 14 are directed towards a patentably distinct method, computer-readable storage medium and system for routing messages received by a mobile device to prioritized providers on the mobile device. Applicable prior art discloses routing messages to applications of the mobile device. However, Examiner asserts that the

Art Unit: 2153

prior art of record fails to teach or suggest the Applicant's feature which formats the message to the requirements of an application associated with the first prioritized provider, wherein the formatting the message to the requirements of the application comprises removing the character sequence indicating the message type. Furthermore, the prior art of record fails to disclose associating the message with a default provider associated with a lowest priority when at least one of the plurality of higher prioritized providers does not recognize the message type. Therefore, the Examiner asserts that this feature is patentably distinct and non-obvious over the prior art.

Claim 20 is directed towards a patentably distinct method for routing messages received by a mobile device to prioritized providers on the mobile device. Applicable prior art discloses routing messages to applications of the mobile device. However, Examiner asserts that the prior art of record fails to teach or suggest the Applicant's feature which formats the message to the requirements of an application associated with the first prioritized provider, wherein the formatting the message to the requirements of the application comprises removing the character sequence indicating the message type. Furthermore, the prior art of record fails to disclose associating the message with a default provider associated with a lowest priority when at least one of the plurality of higher prioritized providers does not recognize the message type. Therefore, the Examiner asserts that this feature is patentably distinct and non-obvious over the prior art.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LaShanya R. Nash whose telephone number is (571) 272-3957. The examiner can normally be reached on 9am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenton Burgess can be reached on (571) 272-3949. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/LaShanya R Nash/
Examiner, Art Unit 2153
July 7, 2008

/Glenton B. Burgess/
Supervisory Patent Examiner, Art
Unit 2153